Curriculum Vitae - Andrea Angius

Name Surname: *Andrea Angius*
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Current Position (February 2021)

Senior Researcher
Department/Institute/Institution: *Department of Biomedicine - Institute of Biomedical and Genetic Research - National Research Council (CNR)* Street Address: *Cittadella Universitaria di Monserrato, S.S. 554 bivio per Sestu Km 4,500* Zip code City: *09042 Monserrato (CA)*
Province/Country: *Cagliari, Italy*
Adjunct Associate Professor at Dep. of Veterinary Medicine
Department/University: *Dep. of Biomedical Sciences and Dep. of Veterinary Medicine – University of Sassari* Street Address: *V.le San Pietro 43/C*-Zip code City: *07100 Sassari (SS)*
Province/Country: *Sassari, Italy*

Research areas

Genetics, Medical Genetics, Molecular Diagnostics, Molecular Biology, Molecular Genetics, Population Genetics, Population Biology, Evolutionary Developmental Biology, Evolutionary Genetics, Cancer Biology, Biomarkers, Human Cancer, Biotechnology, Plant Molecular Biology and Genetics

Education and training

1992 - University of Cagliari, Italy: *Master Degree in Biology*
1999 - University of Sassari, Italy: *Ph.D.*

Positions and Employments

2021 – up to present – *Permanent position as Senior Researcher National Research Council (CNR), Institute of Biomedical and Genetic Research, Monserrato, Cagliari (Italy).*
2011 – 2020 – *Permanent position as Researcher National Research Council (CNR), Institute of Biomedical and Genetic Research, Monserrato, Cagliari (Italy).*
2013-to present: *Adjunct Associate Professor in Biotechnologies at Faculty of Veterinary Medicine, University of Sassari, Sassari (Italy).*
2010-2019: *Adjunct Associate Professor in Medical Genetics at Department of Biomedical Science University of Sassari, Sassari (Italy).*
2001 – 2011 – *Researcher National Research Council (CNR), Institute of Population Genetics, Alghero, Sassari (Italy).*
2010 – 2014 – *Head and Scientific Coordinator of the Next Generation Sequencing Core, CRS4, Pula (Cagliari) (Italy).*
2006 – 2010 – *Head and Scientific Coordinator of the Genotyping Laboratory, Sardegna Ricerche "Polaris" Scientific and Technological Park of Sardinia, Pula (Cagliari) (Italy).*
2002 – 2006 – *Lab Manager of the Genotyping laboratory, Soc. SHARDNA Life Sciences, Cagliari, (Italy).*
2000-2001 - *Fixed-term Researcher at the Institute of Molecular Genetics, of the National Council of Reasearch (CNR), Alghero (Italy).*
1996 – 1999 - *Ph. D. Faculty of Biology, University of Sassari, Sassari (Italy).*
1995-1996 - *CNR fellowship. Institute of Research of Mediterranean Anemia and Thalassemia, National Research Council (CNR), Director: Antonio Cao, MD; Cagliari (Italy).*
1992-1994 - *Post-doctoral fellowship. Laboratory of Molecular Pathology, Ospedale regionale per le Microcitemie, Director: Antonio Cao, MD; Cagliari (Italy).*
1990-1992 - *Undergraduate student. Department of Sperimental Biology, University of Cagliari, Cagliari (Italy). Supervisor: G. Floris, Ph.D.*

Teaching

2017 – 2026 *Qualified as Associate Professor in Medical Genetics for Italian Universities*
(Abilitazione Scientifica Nazionale alle funzioni di professore di II fascia nel settore concorsuale 06/A1 ai sensi del DD n. 222/2012)
2014 – 2023 *Qualified as Associate Professor in Genetics and Microbiology for Italian Universities*
(Abilitazione Scientifica Nazionale alle funzioni di professore di II fascia nel settore concorsuale 05/I1 ai sensi del DD n. 222/2012)

Academic courses

2013-14 up to present (7 courses/academic years) – *Course "Genotyping Technics and Genetic Expression", Degree in Medical and Veterinary Biotechnologies, Faculty of Veterinary, University of Sassari (Italy).*
2010-11 to 2019 (9 courses/academic years) – *Course "Medical Genetics", Degree in Exp. and Applied Biology, Faculty of Math., Phys. and Nat. Science, University of Sassari (Italy).*
2010-11 to 2012-13 (3 courses/academic years) - *Course "Genotyping Technics", Degree in Medical and Veterinary Biotechnologies, Faculty of Veterinary, University of Sassari (Italy).*
2006-07 to 2010-11 (5 courses/academic years) – *Course "Human Genetics", Degree in Biological Sciences, Faculty of Math., Phys. and Nat. Science, University of Sassari (Italy).*
2003-2004 (1 course/academic year) – *Course "Basic Element of Genetics and laboratory", Degree in Biological Sciences, Faculty of Mathematical, Physical and Natural Science, University of Sassari (Italy).*

Masters courses

2012-13 /2013-14 (2 courses/academic years) - *Course "Genetics and Technics of Genetic Characterization", International Master in Medical Biotechnology, Hue University of Medicine and Pharmacy, (Vietnam)*
2007*- Master in R&S in Medical Biotechnology, Ed. 2007, Sardegna Ricerche "Polaris" Scientific and Technological Sardinia Park, Pula (CA) (Italy)*

Membership of the college of PhD teachers recognized by MIUR

Board of Lecturers of the PhD Course in Biomedical Sciences in Medical Genetics, Metabolic Diseases and Nutrigenomics, certified by MIUR, University of Sassari from XXIX cycle (a.a. 2013-2014) to today.

Board of Lecturers of the PhD Course in Biomolecular and Biotechnological Sciences, certified by MIUR, University of Sassari from the XXVI cycle (a.a. 2010/11) to XXIII (a.a. 2012/13).

Grants and participation in national and international research projects

Dr. Angius has been involved in the drafting and management of the project both as a responsible and collaborator in various regional, national and international research projects eligible for funding on the basis of competitive calls for proposals, as described in detail in the list below.

1-years research grant funded by Fondazione Banco di Sardegna ROL 2019 Bando "Salute pubblica, medicina preventiva e riabilitativa" for the project entitled "Sviluppo di un panello di marcatori immunoistochimici ed epigenetici a scopo predittivo nella terapia del carcinoma mammario "Triplo Negativo" GRANT_NUMBER: 33141 – Role: Principal Investigator

2-years research grant funded by Fondo di Beneficenza, Intesa Sanpaolo S.p.A. "(PREDICT) PREcision meDicine In ColorecTal cancer: new clinical-genomic network for expanding tailored oncologic care" GRANT_NUMBER: B/2020/0094 – Role: Principal Investigator

2-years research grant funded by Fondazione Banco di Sardegna ROL 2019 Bando "Salute pubblica, medicina preventiva e riabilitativa" for the project entitled "Prevenzione e diagnosi precoce del carcinoma del colon-retto: sviluppo di un panel di marcatori molecolari da biopsia liquida" –Role: Coordinator of NGS data generation and analysis

2-years research grant funded by Bando competitivo Fondazione di Sardegna – 2017 per progetti di ricerca con revisione tra pari" for the project entitled "Personalized Care in Colorectal Cancer: building a new clinical-genomic network for tailoring genotype and phenotype" –Role: Coordinator of NGS data generation and analysis

4-years research grant funded by MIUR for the project entitled "PATH - Pathology in Automated Traceable Healthcare" PON04a2_00557 - Decreto n. 428 del 27/02/2017 Role: Key Personell

5-years research grant funded by European Framework Programme for Research and Innovation HORIZON 2020, "An integrated approach to dissect determinants, risk factors and pathways of ageing

of the immune system". European Community Grant –Role: Coordinator of NGS data generation and analysis

2-years research grant funded by Telethon for the project entitled " Post GWAS functional characterization of BCL11A locus toward the development of a treatment for ß-thalassemia". Telethon Grant 2013 GGP13246 – Role: Unit Responsible

1-years research grant funded by Telethon for the project entitled "Identification of novel gene(s) associated with Crisponi/Cold Induced Sweating syndrome-like phenotypes by exome sequencing". Telethon Grant 2013 GEP13093 - Role: Coordinator of NGS data generation and analysis

2-year research grant funded by Autonomous Region of Sardinia entitled "Unravelling the genetic causes of syndromic Intellectual Disability in the era of exome sequencing". - Role: Coordinator of NGS data generation and analysis

6-years research grant funded by Ministero dell'Istruzione, dell'Università e della Ricerca. FIRB Laboratori 2003: for the project entitled "Identificazione di geni-malattia mediante genotipizzazione ad alta densità di popolazioni". – Role: Unit Responsible

5-years research grant funded by Ministero dell'Istruzione, dell'Università e della Ricerca. for the project entitled "Identificazione di fattori genetici associati a malattie multifattoriali comuni tramite un originale approccio allo studio di isolati genetici" (Art. 5 del D.M. 593 8 agosto 2000) - Role: Collaborator

3 years research grant funded by Telethon Fondazione Onlus for the project entitled "Sardinian Isolated Population For The Study of Complex Traits". Telethon Grant E 1185 – Role: Collaborator

2 years research grant funded by Regione Autonoma della Sardegna. for the project entitled "Studio della componente genetica e nutrizionale nell'insorgenza di malattie complesse" POR Sardegna 2000-2006, deliberazione Giunta Regionale della Sardegna n.27/30 del 7/08/2001. – Role: Collaborator

2 years research grant funded by Regione Autonoma della Sardegna for the project entitled "Identificazione di geni associati a malattie multifattoriali con alto impatto socio-economico: Ipertensione arteriosa essenziale e Alopecia androgenetica". Determinazione n. 107 del 22/06/2005. – Role: Collaborator

1,5 years research grant funded by Regione Autonoma della Sardegna for the project entitled "Metodologie computazionali ibride per l'analisi statistica del flusso genico in grandi Dataset".PON "Ricerca, Sviluppo Tecnologico ed Alta Formazione" 2000-2006 per le Regioni dell' obiettivo 1 Decreto 192/Ric del 04/12/2007 – Role: Collaborator

2 years research grant funded by Regione Autonoma della Sardegna for the project entitled "Infrastruttura bioinformatica per un approccio "system biology" alle malattie complesse". Programma di R&S "Tecnologie bio-informatiche applicate alla medicina personalizzata" Bando di selezione N. 364.173 A – Role: Collaborator

Events organized

Dr. Angius organized the following courses:
September 16–20, 2019 - 8th Sardinian International Summer School "From Genomic discoveries to therapeutic targets" Pula, Cagliari, http://www.irgb.cnr.it
July 9–13, 2018 - 7° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function"" Pula, Cagliari, http://www.irgb.cnr.it
June 12–16, 2017 - 6° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function"" Pula, Cagliari, http://www.irgb.cnr.it
June 20–24, 2016 - 5° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function"" Pula, Cagliari, http://www.irgb.cnr.it
June 22–26, 2015, - 4° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function"" Pula, Cagliari, http://www.irgb.cnr.it

Non-Institutional Scientific activities (editorial and reviewer activity)

Topic Editor for International Journal of Molecular Sciences Impact Factor 4.556 (2020 JCR)
Editor For BMC Genomics Impact Factor 3.530 (2020 JCR)
Scientific reviewer for the following journals: Journal of Medical Genetics, Journal of Endocrinological Investigation, Biological Conservation, American Journal of Human Genetics, BMC Genomics, International Journal of Genomics, BMC Medical Genetics, Case Report in Genetics, PloS ONE Journal, Nutrition, Expert Opinion on Orphan Drugs, Metabolism & Cardiovascular Diseases, Gene, Chemical Senses, Journal of Biotechnology, IOVS, Clinical Genetics, Annals of Translational

Medicine, Cancer Investigation, Circulation & Cardiovascular Genetics, Hypertension, Scientific Reports e Human Genetics.

Awards and Honors

Cossu S, Angius A, Oppo M, Onano S, Persico I, Uva P, Cuccuru G, Asunis M, Pruna D, Crisponi L. Fenotipo epilettico in due fratelli con mutazioni nel gene NALCN. 40° Congresso Nazionale Lega Italiana Contro l'Epilessia (LICE), Roma, Italy, June 7-9 2017 (Prize for the best scientific contribution)

Pira G, Angius A, Uva P, Cossu Rocca P, Sanges F, Loi F Ena S, Murgia L, Carru C, Muroni MR, DeMiglio MR. MiRNA-135b contributes to triple negative breast cancer molecular heterogeneity:different expression profile in basal-like vs non basal-like. 48° Congresso Nazionale Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica (SIBioC). Torino 18-20 ottobre 2016 (Prize Best Poster SIBioC)

Concas A, Cusano R, Orsini M, Costelli C, Cao A, Angius A. Microalgae based technology for biofuels production and CO2 capture: the role of mathematical modeling and genetic engineering. Accademia Nazionale dei Lincei – Fondazione ENI Enrico Mattei, XXXI Giornata dell'ambiente. Convegno Internazionale: The TeraWatt challenge: What researchfor our future energy? 5 - 6 Novembre 2013 (Prize Best Poster)

List of publications

1. **Angius A,** Scanu MS, Arru C, Muroni MR, Rallo V, Deiana G, Ninniri MC, Carru C, Porcu A, Pira G, Uva P, Cossu-Rocca P, De Miglio MR. Portrait of cancer stem cells on colorectal cancer: molecular biomarkers, signaling pathways and miRNAome. Int J Mol Sci. 2021 Feb 5;22(4):1603. doi: 10.3390/ijms22041603.
2. Baragetti A, Severgnini M, Olmastroni E, Conca Dioguardi C, Mattavelli E, **Angius A,** Rotta L, Cibella J, Consolandi C, Grigore L, Pellegatta F, Giavarini F, Caruso D, Norata GD, Catapano AL, Peano C. Gut Microbiota Functional Dysbiosis Relates to Individual Diet in Subclinical Carotid Atherosclerosis. Nutrients 2021, 13, 304. https://doi.org/10.3390/nu13020304
3. **Angius A,** Cossu-Rocca P, Arru C, Muroni MR, Rallo V, Carru C, Uva P, Pira G, Orr√π S, De Miglio MR. Modulatory Role of microRNAs in Triple Negative Breast Cancer with Basal-Like Phenotype. Cancers (Basel). 2020 Nov 7;12(11):3298. doi: 10.3390/cancers12113298
4. Pira G, Uva P; Scanu A, Cossu Rocca P, Murgia L, Uleri E, Piu C, Porcu A, Carru C, Manca A, Ivana Persico I, Muroni MR, Sanges F, Dolei A, Serra C, **Angius A,** De Miglio MR. Landscape of transcriptome variations uncovering known and novel driver events in colorectal carcinoma. Sci Rep. 2020 Jan 16;10(1):432. doi: 10.1038/s41598-019-57311-z.
5. Serra R, Floris M, Pinna A, Boscia F, Cucca F, **Angius A**. Novel mutations in c2orf71 causing an early onset form of cone-rod dystrophy: A molecular diagnosis after 20 years of clinical follow-up. Mol Vis. 2019; 25:814-820
6. Balzano F, Campesi I, Cruciani S, Garroni G, Bellu E, Dei Giudici S, **Angius A**, Oggiano A, Rallo V, Capobianco G, Dessole S, Ventura C, Montella A, Maioli M. Epigenetics, stem cells and autophagy: exploring a path involving miRNA. Int J Mol Sci. 2019 Oct 14;20(20):5091. doi: 10.3390/ijms20205091.
7. **Angius A,** Pira G, Scanu A, Uva P, Sotgiu G, Saderi L, Manca A, Serra C, Uleri E, Piu C, Caocci M, Ibba G, Zinellu A, Cesaraccio MR, Sanges F, Muroni MR, Dolei A, Cossu Rocca P, De Miglio MR. MicroRNA-425-5p Expression affects BRAF/RAS/MAPK pathways in colorectal cancers. Int. J. Med. Sci. 2019; 16(11): 1480-1491. doi: 10.7150/ijms.35269
8. **Angius A,** Uva P, Pira G, Muroni, MR, Sotgiu G, Saderi L, Uleri E, Caocci M, Ibba G, Cesaraccio MR, Serra C, Carru C, Manca A, Sanges F, Porcu A, Dolei A, Scanu AM, Cossu-Rocca P, De Miglio MR. Integrated analysis of miRNA and mRNA endorses a twenty miRNAs signature for colorectal carcinoma. Int J Mol Sci. 2019 Aug 20;20(16). pii: E4067. doi: 10.3390/ijms20164067.
9. Raveane A, Aneli S, Montinaro F, Athanasiadis G, Barlera S, Birolo G, Boncoraglio G, Di Blasio AM, Di Gaetano C, Pagani L, Parolo S, Paschou P, Piazza A, Stamatoyannopoulos G, **Angius A**, Brucato N, Cucca F, Hellenthal G, Mulas A, Peyret-Guzzon M, Zoledziewska M, Baali A, Bycroft C, Cherkaoui M, Chiaroni J, Di Cristofaro J, Dina C, Dugoujon JM, Galan P, Giemza J, Kivisild T, Mazieres S, Melhaoui M, Metspalu M, Myers S, Pereira L, Ricaut FX, Brisighelli F, Cardinali I, Grugni V, Lancioni H, Pascali VL, Torroni A, Semino O, Matullo G, Achilli A, Olivieri A, Capelli C. Population structure of modern-day Italians reveals patterns of ancient and archaic ancestries in Southern Europe.Sci Adv. 2019 Sep 4;5(9):eaaw3492. doi: 10.1126/sciadv.aaw3492. eCollection 2019 Sep.
10. **Angius A**, Uva P, Oppo M, Buers I, Persico I, Onano S, Cuccuru G, Van Allen MI, Hulait G, Aubertin G, Muntoni F, Fry AE, Annerén G, Stattin EL, Palomares-Bralo M, Santos-Simarro F, Cucca F, Crisponi G, Rutsch F, Crisponi L. Exome sequencing in Crisponi/cold-induced sweating syndrome-like individuals reveals unpredicted alternative diagnoses. Clin Genet. 2019 Mar 12. doi: 10.1111/cge.13532
11. **Angius A,** Uva P, Oppo M, Persico I, Onano S, Olla S, Pes V, Perria C, Cuccuru G, Atzeni R, Serra G, Cucca F, Sotgiu S, Hennekam RC, Crisponi L. Confirmation of a new phenotype in an individual with a variant in the last part of exon 30 of CREBBP. American Journal of Medical Genetics Part A.; 2019; doi:10.1002/ajmg.a.61052.
12. Alves RM, Uva P, Veiga MF, Oppo M, Zschaber F, Porcu G, Porto HP, Persico I, Onano S, Cuccuru G, Atzeni R, Vieira L, Pires M, Cucca F, Toralles MB, **Angius A**, Crisponi L. Novel ANKRD11 gene mutation in an individual with a mild phenotype of KBG syndrome associated to a GEFS+ phenotypic spectrum: a case report. BMC Medical Genetics; 2019; 20:16. doi: 10.1186/s12881-019-0745-7
13. Pisanu C, Congiu D, Costa M, Chillotti C, Ardau R, Severino G, **Angius A**, Heilbronner U, Hou L, McMahon FJ, Schulze TG, Del Zompo M, Squassina A. Convergent analysis of genome-wide genotyping and transcriptomic data suggests association of zinc finger genes with lithium response in bipolar disorder. Am J Med Genet B Neuropsychiatr Genet. 2018 Oct;177(7):658-664. doi: 10.1002/ajmg.b.32663.

14. Chiang CWK, Marcus JH, Sidore C, Biddanda A, Al-Asadi H, Zoledziewska M, Pitzalis M, Busonero F, Maschio A, Pistis G, Steri M, **Angius A**, Lohmueller KE, Abecasis GR, Schlessinger D, Cucca F, Novembre J. Genomic history of the Sardinian population. Nat Genet. 2018 Oct;50(10):1426-1434. doi: 10.1038/s41588-018-0215-8.
15. Egorov ES, Kasatskaya SA, Zubov VN, Izraelson M, Nakonechnaya TO, Staroverov DB, **Angius A**, Cucca F, Mamedov IZ, Rosati E, Franke A, Shugay M, Pogorelyy MV, Chudakov DM, Britanova OV. The changing landscape of naive T cell TCR repertoire with human ageing. Front Immunol. 2018 Jul 24; 9:1618. doi: 10.3389/fimmu.2018.01618. eCollection 2018.
16. Uva P, Cossu-Rocca P, Loi F, Pira G, Murgia L, Orrù S, Floris M, Muroni MR, Sanges F, Carru C, **Angius A**, De Miglio MR. miRNA-135b contributes to Triple Negative Breast Cancer molecular heterogeneity: different expression profile in Basal-like versus non-Basal-like phenotypes. Int J Med Sci 2018; 15(6):536-548. doi:10.7150/ijms.23402
17. **Angius A,** Cossu S, Uva P, Oppo M, Onano S, Persico I, Fotia G, Atzeni R, Cuccuru G, Asunis M, Cucca F, Pruna D, Crisponi L. Novel NALCN biallelic truncating mutations in siblings with IHPRF1 syndrome. Clin Genet. 2018 Jun;93(6):1245-1247. doi: 10.1111/cge.13162.
18. Cossu S, **Angius A**, Oppo M, Onano S, Persico I, Uva P, Cuccuru G, Asunis M, Pruna D, Crisponi L. Epileptic phenotypes related to the UNC79-UNC80-NALCN protein complex. Clinical Cases and Reviews in Epilepsy 2017; 2(1): 54-58. doi: 10.11138/ccre/2017.2.1.054
19. Maccari ME, Scarselli A, Di Cesare S, Floris M, **Angius A,** Deodati A, Chiriaco M, Cambiaso P, Corrente S, Colafati GF, Utzh PJ, Angelini F, Fierabracci A, Aiuti A, Carsetti R, Rosenbergh JM, Cappa M, Rossi P, Bacchetta R, Cancrini C. Severe Toxoplasma gondii infection in a member of a NFKB2-deficient family with T and B cell dysfunction. Clin Immunol. 2017 Oct; 183:273-277. doi: 10.1016/j.clim.2017.09.011.
20. Pisanu C, Congiu D, Melis C, **Angius A**, Severino G, Ardau R, Chillotti C, Del Zompo M, Squassina A. Involvement of core clock genes in lithium response. World J Biol Psychiatry. 2017 Jul 12:1-2. doi: 10.1080/15622975.2017.1346281
21. Malavasi V, Costelli C, Orsini M, Cusano R, **Angius A,** Cao G. Deep genomic analysis of Chlorella sorokiniana SAG 211-8k chloroplast. European Journal of Phycology. 2017 52(3): 320-329 doi: 10.1080/09670262.2017.1287959
22. Steri M, Orrù V, Idda ML, Pitzalis M, Pala M, Zara I, Sidore C, Faà V, Floris M, Deiana M, Asunis I, Porcu E, Mulas A, Piras MG, Lobina M, Lai S, Marongiu M, Serra V, Marongiu M, Sole G, Busonero F, Maschio A, Cusano R, Cuccuru G, Deidda F, Poddie F, Farina G, Dei M, Virdis F, Olla S, Satta MA, Pani M, Delitala A, Cocco E, Frau J, Coghe G, Lorefice L, Fenu G, Ferrigno P, Ban M, Barizzone N, Leone M, Guerini FR, Piga M, Firinu D, Kockum I, Lima Bomfim I, Olsson T, Alfredsson L, Suarez A, Carreira PE, Castillo-Palma MJ, Marcus JH, Congia M, **Angius A,** Melis M, Gonzalez A, Alarcón Riquelme ME, da Silva BM, Marchini M, Danieli MG, Del Giacco S, Mathieu A, Pani A, Montgomery SB, Rosati G, Hillert J, Sawcer S, D'Alfonso S, Todd JA, Novembre J, Abecasis GR, Whalen MB, Marrosu MG, Meloni A, Sanna S, Gorospe M, Schlessinger D, Fiorillo E, Zoledziewska M, Cucca F. Overexpression of the Cytokine BAFF and Autoimmunity Risk. N Engl J Med. 2017 Apr 27;376(17):1615-1626. doi: 10.1056/NEJMoa1610528.
23. Pala M, Zappala Z, Marongiu M, Li X, Davis JR, Cusano R, Crobu F, Kukurba KR, Gloudemans MJ, Reinier F, Berutti R, Piras MG, Mulas A, Zoledziewska M, Marongiu M, Sorokin EP, Hess GT, Smith KS, Busonero F, Maschio A, Steri M, Sidore C, Sanna S, Fiorillo E, Bassik MC, Sawcer SJ, Battle A, Novembre J, Jones C**, Angius A,** Abecasis GR, Schlessinger D, Cucca F, Montgomery SB. Population and individual-specific regulatory variation in Sardinia. Nat Genet. 2017 May;49(5):700-707. doi: 10.1038/ng.3840.
24. Olivieri A, Sidore C, Achilli A, **Angius A,** Posth C, Furtwängler A, Brandini S, MRCapodiferro, Gandini F, Zoledziewska M, Pitzalis M, Maschio A, Busonero F, Lai L, Skeates R, Gradoli MG, Beckett J, Marongiu M, Mazzarello M, Marongiu P, Rubino S, Rito T, Macaulay V, Semino O, Pala M, Abecasis GR, Schlessinger D, Soares P, Richards MB, Cucca F, Torroni A. Mitogenome Diversity in Sardinians: a Genetic Window onto an Island's Past. Mol Biol Evol. 2017 May 1;34(5):1230-1239. doi: 10.1093/molbev/msx082
25. Palombo F, Al-Wardy N, Ruscone GA, Oppo M, Kindi MN, **Angius A,** Al Lamki K, Girotto G, Giangregorio T, Benelli M, Magi A, Seri M, Gasparini P, Cucca F, Sazzini M, Al Khabori M, Pippucci T, Romeo G. A novel founder MYO15A frameshift duplication is the major cause of genetic hearing loss in Oman. J Hum Genet. 2017 Feb;62(2):259-264. doi: 10.1038/jhg.2016.120.
26. McCarthy S, Das S, Kretzschmar W, Delaneau O, Wood AR, Teumer A, Kang HM, Fuchsberger C, Danecek P, Sharp K, Luo Y, Sidore C, Kwong A, Timpson N, Koskinen S, Vrieze S, Scott LJ, Zhang H, Mahajan A, Veldink J, Peters U, Pato C, van Duijn CM, Gillies CE, Gandin I, Mezzavilla M, Gilly A, Cocca M, Traglia M, **Angius A,** Barrett JC, Boomsma D, Branham K, Breen G, Brummett CM, Busonero F, Campbell H, Chan A, Chen S, Chew E, Collins FS, Corbin LJ, Smith GD, Dedoussis G, Dorr M, Farmaki AE, Ferrucci L, Forer L, Fraser RM, Gabriel S, Levy S, Groop L, Harrison T, Hattersley A, Holmen OL, Hveem K, Kretzler M, Lee JC, McGue M, Meitinger T, Melzer D, Min JL, Mohlke KL, Vincent JB, Nauck M, Nickerson D, Palotie A, Pato M, Pirastu N, McInnis M, Richards JB, Sala C, Salomaa V, Schlessinger D, Schoenherr S, Slagboom PE, Small K, Spector T, Stambolian D, Tuke M, Tuomilehto J, Van den Berg LH, Van Rheenen W, Volker U, Wijmenga C, Toniolo D, Zeggini E, Gasparini P, Sampson MG, Wilson JF, Frayling T, de Bakker PI, Swertz MA, McCarroll S, Kooperberg C, Dekker A, Altshuler D, Willer C, Iacono W, Ripatti S, Soranzo N, Walter K, Swaroop A, Cucca F, Anderson CA, Myers RM, Boehnke M, McCarthy MI, Durbin R; Haplotype Reference Consortium. A reference panel of 64,976 haplotypes for genotype imputation. Nat Genet. 2016 Oct; 48(10):1279-83. doi: 10.1038/ng.3643.
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